IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.(Currently Amended)   A transmitting method of transmitting data using a layered communication model, comprising the ~~steps~~ acts of:

generating at a first layer a first communication fragment comprising a first address reference referring to a first entity,

generating at a second layer below the first layer a second communication fragment based on the first communication fragment and further comprising a second address reference referring to a second entity which is related to the first entity,

transmitting data comprising the second communication fragment,

~~characterized in that~~

~~the transmitting method further comprises the step of~~

removing at least partly the first address reference in the transmitted data, and

replacing the first address reference by an information field referring to the second address reference.

2. (Original) The transmitting method according to claim 1, wherein cryptographic protection is provided for the first communication fragment before the first address reference is at least partly removed.

3. (Original) The transmitting method according to claim 2, wherein cryptographic protection is provided only at a single layer in the communication model.

4. (Original) The transmitting method according to claim 3, wherein the single layer equals the layer where the message was initiated.

Claim 5 (Canceled)

6.(Currently Amended) A receiving method of receiving data

using a layered communication model, comprising the ~~step~~ acts of:

receiving data comprising a second communication fragment,

[[-]] the second communication fragment

comprising a second address reference referring to a

second entity which is related to a first entity,

being based on a first communication fragment comprising

a first address reference to the first entity, ~~and~~

retrieving the first communication fragment from the second

communication fragment, characterized in that the first address

reference is at least partly omitted in the received data, and

~~the receiving method further comprises the step of~~ restoring

the first address reference in retrieving the first communication

fragment, wherein the receiving method retrieves the first address

reference using an information field in the received data which

replaces the first address reference and refers to the second

address reference.

7.(Original) The receiving method according to claim 6,

wherein cryptographic protection of the first communication

fragment is verified after the first address reference is

retrieved.

8.(Original)   The receiving method according to claim 7,

wherein cryptographic protection is provided only at a single layer

in the communication model.

9.(Original)   The receiving method according to claim 8,

wherein the single layer equals the layer where the message was

initiated.

Claim 10 (Canceled)

11.(Currently Amended)   ~~System~~ A system for communication

using a layered communication model, the system comprising

transmitter means

being arranged to generate at a first layer a first

communication fragment comprising a first address reference

referring to a first entity, and

further being arranged to generate at a second layer below the first layer a second communication fragment based on the first communication fragment and further comprising a second address reference referring to a second entity which is related to the first entity,

communication means

being arranged to transmit data comprising the second communication fragment, and receiving means being arranged to receive data comprising the second communication fragment, and

further being arranged to retrieve the first communication fragment from the second communication fragment,

characterized in that

the transmitter means is arranged to at least partly omit the first address reference from the transmitted data, and

the receiving means is arranged to restore the first address reference in retrieving the first communication fragment from the received data.

12. (Currently Amended)   A transmitter device for transmitting data using a layered communication model, the transmitter device being arranged to

~~being arranged to~~ generate at a first layer a first communication fragment comprising a first address reference referring to a first entity,

~~further being arranged to~~ generate at a second layer below the first layer a second communication fragment based on the first communication fragment and further comprising a second address reference referring to a second entity which is related to the first entity,

~~further being arranged to~~ transmit data comprising the second communication fragment, ~~characterized in that~~

~~the transmitter device is further arranged to~~ remove at least partly the first address reference in the transmitted data, and

replace the first address reference by an information field referring to the second address reference.

13.(Currently Amended)   A receiver device for receiving data using a layered communication model, the receiver device_being arranged to

~~being arranged to~~ receive data comprising a second communication fragment,

[[-]] the second communication fragment

comprising a second address reference referring to a second entity which is related to a first entity,

being based on a first communication fragment comprising a first address reference to the first entity, and

~~further being arranged to~~ retrieve the first communication fragment from the second communication fragment, characterized in that

the first address reference is at least partly omitted in the received data, ~~and~~

~~the receiver device is further arranged to~~ restore the first address reference in retrieving the first communication fragment, and

retrieve the first address reference using an information

field in the received data which replaces the first address

reference and refers to the second address reference.

Claim 14 (Canceled)

15. (Currently Amended) A computer readable medium embodying a

transmitter computer program product comprising instructions to

implement communication using a layered communication model, the

~~transmitter computer program product~~ instructions when executed on

a processor causing performance of the following acts of:

~~being arranged to generate~~ generating at a first layer a first

communication fragment comprising a first address reference

referring to a first entity,

~~further being arranged to generate~~ generating at a second

layer below the first layer a second communication fragment based

on the first communication fragment and further comprising a second

address reference referring to a second entity which is related to

the first entity,

~~further being arranged to transmit~~ transmitting data

comprising the second communication fragment, ~~characterized in that~~

~~the transmitter computer program product is further arranged~~

~~to omit the first address reference in the transmitted data~~, and

<u>replacing the first address reference by an information field</u>

<u>referring to the second address reference</u>.

16. (Currently Amended) A <u>computer readable medium embodying</u>

<u>a</u> receiver computer program product <u>comprising instructions</u> to

implement communication using a layered communication model, the

~~receiver computer program product~~ <u>instructions when executed on a</u>

<u>processor causing performance of the following acts of</u>:

~~being arranged to receive~~ <u>receiving</u> data comprising a second

communication fragment,

[[-]] the second communication fragment

comprising a second address reference referring to a

second entity which is related to a first entity,

being based on a first communication fragment comprising

a first address reference to the first entity, and

~~further being arranged to retrieve~~ retrieving the first

communication fragment from the second communication fragment,

~~a first layer in which a first communication fragment~~

~~comprising a first address reference referring to a first entity is~~

~~generated,~~

~~a second layer below the first layer in which a second~~

~~communication fragment comprising a second address reference~~

~~referring to a second entity related to the first entity and based~~

~~on the first communication fragment is generated, characterized in~~

~~that~~

the first address reference is at least partly omitted in the

received data, and

the receiver computer program product is further arranged to

restore the first address reference in retrieving the first

communication fragment, wherein the instructions cause retrieval of

the first address reference using an information field in the

received data which replaces the first address reference and refers

to the second address reference.